## Whiting Systems, Inc. Industrial Power Wash Systems

Causes severe skin irritation and eye damage

Appearance Purple liquid

Odor Characteristic Detergent

Physical state Liquid

#### Automated Vehicle Wash Systems

Issue Date 09-Nov-2004

Revision Date 31-Jan-2013

# SAFETY DATA SHEET

Version 1 **Emergency Telephone** 

Product Name SmartWash® Tornado F1

Hazard statements

Recommended Use Cleaning agent.

Supplier Name and Address Whiting Systems, Inc.

9000 Highway 5 North Alexander, AR 72002 800-542-9031

INFOTRAC 352-323-3500 (International) 800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

**1. IDENTIFICATION** 

Skin corrosion/irritation Serious eye damage/eye irritation

Category 2 Category 1

**Precautionary Statements - Prevention** 

Wash face, hands and any exposed skin thoroughly after handling Do not breathe dust/fume/gas/mist/vapors/spray Wear protective gloves/protective clothing/eye protection/face protection

#### Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC) Not Applicable

Signal word Danger

**Precautionary Statements - Response** 

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a POISON CENTER or doctor/physician

IF ON SKIN: (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower Wash contaminated clothing before reuse

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing Immediately call a POISON CENTER or doctor/physician

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician Rinse mouth Do NOT induce vomiting

### 3 COMPOSITION/INFORMATION ON INCREDIENTS

	3. COMPOS	SITION/INFORMATION ON INGREE	DIENTS								
	Chemical Name	CAS No	Weight-%	Trade Secret							
	Sodium metasilicate pentahydrate	10213-79-3	1 - 5	*							
	Sodium hydroxide	1310-73-2	.05 - 1								
		4. FIRST AID MEASURES									
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Wash mouth and nasal passages with water repeatedly. Call physician immediately.										
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician immediately.										
Ingestion	Rinse mouth. Do NOT induce vomiting. Drink plenty of water or milk immediately. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.										
Skin Contact	Wash with soap and water. DO NOT attempt to neutralize with chemical agents. Take off contaminated clothing. Wash contaminated clothing be- fore reuse. If skin irritation persists, call a physician.										
	t symptoms and effects, both acute and delayed										
Symptoms: a	May cause irritation to the mucous membranes and and/or dizziness. Exposed individuals may experience areas. Irritates the digestive tract.	upper respiratory tract. Prolonged b ce eye tearing, redness and discom	reathing of vapors may cause fort. Contact will cause irritation	e nausea, headache, weakness on and redness to exposed							
	ians Treat symptomatically. Existing conditions ag	gravated by exposure: skin disorde	rs, skin allergies, respiratory c	lisorders, eye disorders.							
		5. FIRE-FIGHTING MEASURES									
Suitable Exting	quishing Media Carbon dioxide (CO2). Water spray										
Unsuitable Ext	inguishing Media Not determined										
	ts arising from the chemical Keep containers cool oduct is allowed to directly contact the eyes.	with water spray to prevent contained	er rupture due to steam buildu	p. Material is alkaline and will irri-							
	ipment and precautions for firefighters As in any full protective gear.	fire, wear self-contained breathing a	pparatus pressure-demand, N	/ISHA/NIOSH (approved or							
	6. AC	CIDENTAL RELEASE MEASURES	6								
Personal preca	utions: Use personal protective equipment as requi	ired.									
Environmental	precautions: Not Determined										
<u>Methods for co</u>	ontainment: Confine and absorb into approved absorb	orbent <u>Methods for cleaning up</u> : 7. HANDLING AND STORAGE	Place in appropriate containe	rs for disposal.							
Advice on safe	handling: Handle in accordance with good industria	al hygiene and safety practice. Do no	ot breathe dust/fume/gas/mist	/vapors/spray, Wash							
	handling. Use personal protection recommended in										
Storage Condit	tions: Keep containers tightly closed in a dry, cool a	nd well-ventilated place. Keep locke	d up and out of reach of child	en. Protect from extreme							
temperatures.											
Incompatible m	naterials: Strong oxidizing agents. Strong Acids										
	8. EXPOSUR	RE CONTROLS/PERSONAL PROT	ECTION								

8. EXPOSURE CONTROLS/PERSONAL PROTECTION									
Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH						
Sodium hydroxide	Ceiling: 2 mg/m3	TWA: 2 mg/m3	IDLH: 10 mg/m3						
1310-73-2		(vacated) Ceiling: 2 mg/m3	Ceiling: 2 mg/m3						

Whiting Systems, Inc.

#### Engineering Controls

Apply technical measures to comply with the occupational exposure limits. Provide sufficient mechanical ventilation to maintain exposure below TLV(s). Provide Eyewash stations.

Individual protection meas	ures, su	ch as perso	nal prote	ctiv	<u>e equipment</u>												
Eye/face protection	۷	Vear approve	ed safety	gog	gles.												
Skin and body protection Neoprene, butyl or nitrile or coveralls, as appropr					e, to prevent skin	ont	tact.				0.	Ũ					
Respiratory protection					espirator is not n certified respirate		ally required.	When v	workers	are facin	g con	centration	s above	e the e	xposure limit		
General Hygiene Consider	ations H	landle in acc	ordance	with	good industrial h	hygie	ne and safet	y practio	ce.								
_				9. F	HYSICAL AND	CHE	MICAL PRO	PERTIE	S								
Property	Value	es			Remarks • Methe	od				Pre	operty	<u>L</u>		Va	lues		
рН	12.5								Spe	cific Gr	avity			1	.06		
Melting point/freezing point Evaporation rate	nt Notd <1	etermined <b>B</b>	oiling po	int	nt 100 °C / 212 °F Flash point Non-flammable (water = 1)			<sup>able</sup> Kine	Kinematic viscosity					Not Determined			
Flammability (solid, gas)	n/a-lio	quid							Dyn	Dynamic viscosity					Not Determined		
Flammability Limits in Air									Exp	Explosive properties					Not Determined		
Upper flammability limits	Not a	pplicable							Oxio	Oxidizing properties					Not Determined		
Lower flammability limit	Not a	pplicable							Auto	Autoignition temperature					Not Determined		
Vapor pressure	17 mi	17 mm Hg			@ 20 °C				Solu	ıbility in	othe	r solvent	5	Not	Determined		
					10. STABILIT	'Y AN	ID REACTIV	ΊTΥ									
<u>Reactivity</u> Not reactive under normal co	onditions				al stability nder recommended storage conditions.					Possibility of Hazardous Reactions None under normal processing.							
Hazardous polymerization													onditio				
Hazardous polymerization do	pes not o	ccur. Non-ha	zardous e	endo	othermic polymeri	izatio	-			-		ses. Ex	treme t	empera	atures.		
Incompatible materials Strong oxidizing agents. Stro	na olkoli	a Matala Cu	onidos a	ulfiz	las Class Coron	mino	Hazardou Decompo					and store	daraaa	elve			
Strong oxidizing agents. Stro	ny akan	s. metals. Cy	aniues. s	ume							luieu		u prope	ny.			
Information on likely route	a of ove			<u> </u>	11. TOXICOLO		-	ATION									
Information on likely route Inhalation		if inhaled.			mponent Informa Chemical Nam		Oral LI	250		Dorm		0	-	Inholo	tion LCE0		
Eye contact			anemeh			-		J20	-	Dermal LD50				Inhalation LC50			
Skin Contact		Causes serious eye da Causes severe skin iri			Sodium hydroxide		-		= 1	= 1350 mg/kg(Rabbit)							
Ingestion		aste or swall	o		1310-73-2				-	0							
ingestion	Donora			Oth	er adverse effec				Ca	cinoger	nicity	Not classi	fiable a	s a car	rcinogen.		
A second second second second second second		مريد المراجع المراجع		£	12. ECOLOGIO	-	-	NC									
An environmental hazard car	not be e	xciuded in th	e event o	i ur		-			<u>Other</u>	adverse	effec	ts Not de	termine	d			
					13. DISPOSAL	. COI	NSIDERATIC	DNS									
Waste treatment methods																	
Disposal of wastes/Contar	ninated	packaging:	Disposal s	sho	uld be in accorda	nce v	with applicab	le regior	nal, natio	nal and	local l	aws and r	egulatio	ons.			
California Hazardous Was	te Status	: Sodium hy	droxide 1	310													
					14. TRANSPOR		IFORMATIO	N									
DOT Not regulated IAT	<u>A</u> NO	ot regulated	IME	DG	Not regulated												
					15. REGULAT	ORY	<b>INFORMAT</b>	ION									
US Federal Regulations					<u>SARA 311/312</u>	2 Haz	ard Categor	ies									
U.S. State Right-to-Know R	Poquiatio	ne			Chemical Name CWA - Report-			t- CW/	CWA - Toxic Pol-			CWA - Priority		A - Hazardous			
0.5. State Right-to-Rhow R	<u>///5</u>						able		lutants		Pollutants						
Chemical Name	NJ	NJ MASS PENN					Quantities							Substances			
					Sodium hydro	oxide	e 10	00 lb							Х		
					1310-73-2			4									
Sodium hydroxide	X	X X					lazardous S	zardous Substances		s RQs CERCLA/S		SARA RQ Rep		table (	Quantity (RQ)		
	_					Sodium hydroxide		1000 lb						RQ 1000 lb final RQ			
1310-73-2					1310-73-2							RQ 454 kg final RQ					
					16. OTHER	R INF	ORMATION										
				<u> </u>	pecial Hazards HMIS		Health ha	zards	Flamm			-		Personal protection			
Not determined Not	t determi	ned Not dete	ermined	No	t determined		1		C	0 0				Not Determined			
The information provide cation. The information release and is not to be and may not be valid fo	given e consi	is designe dered a wa	d only a arranty o	as a or o	a guidance for quality specific	r sat catio	fe handling on. The inf	g, use, ormati	proce	ssing, s tes onl	stora y to	ge, tran the spec	sporta	tion, o ateria	disposal and I designated		

**End of Safety Data Sheet**